#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau



## PORTA BUNDON NI BURNA DAN BONI BURNA DAN PARA BUN ARAN BURNA BURNA BURNA BURNA BURNA BURNA BURNA BURNA BURNA B

#### (43) International Publication Date 19 May 2005 (19.05.2005)

#### PCT

# (10) International Publication Number WO 2005/045881 A1

(51) International Patent Classification<sup>7</sup>: H01J 61/44, C09K 11/59

(21) International Application Number:

PCT/IB2004/052256

(22) International Filing Date:

2 November 2004 (02.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03104155.1 11 November 2003 (11.11.2003) El

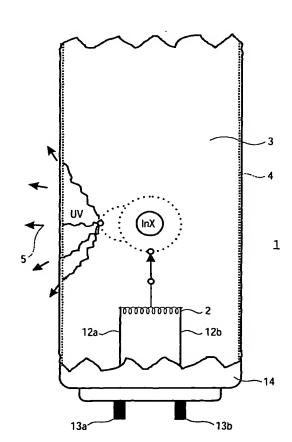
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: LOW-PRESSURE VAPOR DISCHARGE LAMP WITH A MERCURY-FREE GAS FILLING



(57) Abstract: A low-pressure vapor discharge lamp has a radiation-transmitting discharge vessel (1) enclosing, in a gastight manner, a discharge space (3) provided with a gas filling. The gas filling is substantially free of mercury and comprises an indium compound and a buffer gas. The discharge vessel (1) comprises discharge means (2) for maintaining a gas discharge in the discharge space (3). The discharge vessel (1) is provided with a luminescent layer (4). The luminescent layer (4) comprises a luminescent material based on a nitridosilicate or on an oxonitridosilicate. Preferably, the luminescent material comprises rare-earth emitters. Preferably, the luminescent material comprises europium, cerium, or ytterbium emitters.

## WO 2005/045881 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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